

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2004/001338

## A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. 7: G01N 21/35, G01N 21/27; G01J 3/51, G01J 5/60

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
 DWPI: infrared, bolometr+, thermograph+, filter+, +channel?, +band+, spectr+, G01N-021/27/ic, G01N-021/35/ic; detect+, monitor+, surveill+, imag+, identif+, air+, atmospher+, volcan+, temperature?, thermal+, thermo+; +calibrat+; camera?, array?, imag+, microbolometer?, G01J-005/ic, radiometer?, shutter+ and similar keywords

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|-----------|--|-----------------------|
| X         | US 5654700 A (PRATA et al.) 5 August 1997<br>Whole document (see in particular the abstract, figures 3-8 and claims 1-20)  | 1-30                  |
| X         | US 5602543 A (PRATA et al) 11 February 1997<br>Whole document (see in particular the abstract, figures 3-8 and claims 68-69)   | 1-30                  |
| X         | US 6023061 A (BODKIN) 8 February 2000<br>Whole document (see in particular the abstract; figures 1-5; column 4, lines 10-13 and 64-67; column 5, lines 1-17; column 6, lines 19-34, 46-50 and 60-67; column 8, lines 21-22; column 9, lines 18-28; column 10, lines 12-20 and 56-58; column 11, lines 10-27 and 59-67; column 12, lines 15-23) | 1-30                  |

Further documents are listed in the continuation of Box C

See patent family annex

|   |     |  |
|---|-----|--|
| * Special categories of cited documents:  |     |  |
| "A" document defining the general state of the art which is not considered to be of particular relevance  | "T" | later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  |
| "E" earlier application or patent but published on or after the international filing date   | "X" | document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone   |
| "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) | "Y" | document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art |
| "O" document referring to an oral disclosure, use, exhibition or other means  | "&" | document member of the same patent family  |
| "P" document published prior to the international filing date but later than the priority date claimed  |     |  |

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|--|---|
| Date of the actual completion of the international search<br>24 November 2004  | Date of mailing of the international search report<br>- 2 DEC 2004        |
| Name and mailing address of the ISA/AU<br><b>AUSTRALIAN PATENT OFFICE</b><br>PO BOX 200, WODEN ACT 2606, AUSTRALIA<br>E-mail address: pct@ipaustralia.gov.au<br>Facsimile No. (02) 6285 3929 | Authorized officer<br><b>GREG POWELL</b><br>Telephone No : (02) 6283 2308 |

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| C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT |   |                       |
|---|---|-----------------------|
| Category*   | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No. |
| X   | US 4965572 A (ADAMSON) 23 October 1990<br>Abstract; figures 1, 3-5; column 9, lines 57-67   | 1-30                  |
| X   | Derwent Abstract Accession No 92-432092/52, Class S03, SU 1712837 A1<br>(KONOTOP KRASNYI METALLIST WKS) 15 February 1992<br>Abstract                | 1-30                  |
| X   | US 4725733 A (HORMAN et al.) 16 February 1988<br>Abstract; Figures 1-3; column 3, lines 54-60; column 4, lines 24-28; column 5, lines 6-15; claim 1 | 1-30                  |
| X   | US 4233596 A (OKAMOTO et al.) 11 November 1980<br>Whole document  | 1-30                  |

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/AU2004/001338

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

| Patent Document Cited in Search Report |         |    |          | Patent Family Member |         |    |          |
|--|---------|----|----------|----------------------|---------|----|----------|
| US                                     | 5654700 | AU | 76657/91 | CA                   | 2079812 | EP | 0525007  |
|  |         | HK | 1002938  | SG                   | 46261   | US | 5602543  |
|  |         | WO | 9115739  |                      |         |    |          |
| US 6023061                             |         |    |          |                      |         |    |          |
| US                                     | 4965572 | EP | 0418325  | WO                   | 8912880 |    |          |
| SU                                     | 1712837 |    |          |                      |         |    |          |
| US                                     | 4725733 |    |          |                      |         |    |          |
| US                                     | 4233596 | DE | 2836895  | GB                   | 2004642 | JP | 54035426 |
|  |         | NL | 7808631  |                      |         |    |          |

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX